

## **CLAIMS**

**We Claim:**

1. A spray cool system with a dry access chamber, comprising:  
a chassis having a wet chamber and a dry chamber, wherein said wet chamber is  
thermally managing an electronic device by applying liquid coolant to an electronic  
device within said wet chamber;  
a dry access door removably attached about said dry chamber; and  
a wet access door removably attached about said wet chamber, wherein said wet  
access door is capable of sealing said wet chamber.

2. The spray cool system with a dry access chamber of Claim 1, wherein said chamber includes a coolant spray system.

3. The spray cool system with a dry access chamber of Claim 2, wherein said spray system is comprised of components chosen from the group consisting of a spray unit, a sensor, a card cage, an intake valve and a condenser.

4. The spray cool system with a dry access chamber of Claim 3, wherein said spray system is fluidly connected to a coolant system positioned within said chamber.

5. The spray cool system with a dry access chamber of Claim 1, wherein said chamber includes a coolant system fluidly connected to said wet chamber.

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3       6. The spray cool system with a dry access chamber of Claim 5, wherein said  
4   coolant system is fluidly connected to a spray unit positioned within said wet chamber.  
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7       7. The spray cool system with a dry access chamber of Claim 5, wherein said  
8   coolant system is comprised of components chosen from the group consisting essentially  
9   of a filter, a pump, a heater, a sensor and a separator.

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12       8. The spray cool system with a dry access chamber of Claim 1, wherein said  
13   dry access door is capable of sealing said dry chamber.  
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16       9. The spray cool system with a dry access chamber of Claim 1, wherein said  
17   dry chamber is adjacent to said wet chamber within said chassis.  
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20       10. The spray cool system with a dry access chamber of Claim 1, wherein said  
21   dry chamber is sealed from said wet chamber.  
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24       11. A spray cool system with a dry access chamber, comprising:  
25            a chassis having a wet chamber and a dry chamber, wherein said wet chamber is  
26   for thermally managing an electronic device by applying liquid coolant to an electronic  
27   device within said wet chamber;  
28            wherein said wet chamber includes a coolant spray system for thermally  
29   managing an electronic device;

1       wherein said dry chamber includes a coolant system fluidly connected to said  
2   coolant spray system;

3           a dry access door removably attached about said dry chamber; and  
4           a wet access door removably attached about said wet chamber, wherein said wet  
5   access door is capable of sealing said wet chamber.

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8       12. The spray cool system with a dry access chamber of Claim 11, wherein said  
9   coolant spray system is comprised of components chosen from the group consisting  
10   essentially of a spray unit, a sensor, a card cage, an intake valve and a condenser.

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13       13. The spray cool system with a dry access chamber of Claim 11, wherein said  
14   coolant system is fluidly connected to a spray unit positioned within said wet chamber.

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17       14. The spray cool system with a dry access chamber of Claim 11, wherein said  
18   coolant system is comprised of components chosen from the group consisting essentially  
19   of a filter, a pump, a heater, a sensor and a separator.

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22       15. The spray cool system with a dry access chamber of Claim 11, wherein said  
23   dry access door is capable of sealing said dry chamber.

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26       16. The spray cool system with a dry access chamber of Claim 11, wherein said  
27   dry chamber is adjacent to said wet chamber within said chassis.

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1           17. The spray cool system with a dry access chamber of Claim 11, wherein said  
2   dry chamber is sealed from said wet chamber.